FEATURES AND SPECIFICATIONS

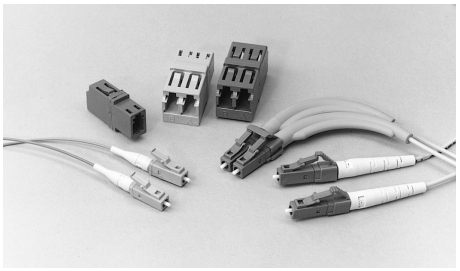
LC Connectors and Adapter

The LC connector was developed to meet the growing demand for small form factor, higher density fiber optic connectivity. With this connector, space requirements on equipment bays, in distribution panels, and on wall plates has been reduced by 50%, over 2.50mm (.098") ferrule connectors, without sacrificing performance.

Common and proven technologies have been combined in the LC connector system to deliver a high performance and easy to implement fiber optic interface. Utilizing the craft friendly RJ-45 telephone plug interface, the LC connector provides a reliable and robust latching mechanism while the time tested 1.25mm (.049") pre-radius ceramic ferrule is used to terminate the fiber.

Molex LC connectors are available in both simplex and duplex configurations. Available in industry standard beige (multimode), blue (single mode), and green (angle polish) colors, and will accommodate 900um buffered fiber, 1.60mm (.063"), 2.00mm (.079"), or 3.00mm (.118") jacketed cable. With its 6 position tuning feature, the connector may be used to achieve unprecedented insertion loss performance by optimizing the alignment of the fiber cores. Additionally, 45° and 90° boot options are available for 1.60mm (.063") and 2.00mm (.079") jacketed cable.

Simplex, Duplex and Quad LC mating adapters are also available in blue, beige, green and aqua colors. The adapters are available in snap mount or screw mount configurations, ceramic or metal alignment sleeves, and can also be provided with safety shutters on one or both sides to help prevent eye injuries. LC EMI shielding adapters featuring metal housings are also available for use in EMI/RFI sensitive applications.



Features and Benefits

- Versatile RJ-45 latching system provides familiar user interface
- 1.25mm (.049") Zirconia ceramic ferrule provides a high performance and reliable connection
- Tunable connector allows optimization of insertion loss performance
- Simplex and Duplex styles providing unidirectional or bidirectional communication
- Tested to Telcordia GR-326 and Compliant to TIA/EIA-604-10A (FOCIS-10) ensuring long lasting reliability and interminability

SPECIFICATIONS

Reference Information:

Specifications:

Packaging: Bag

Mates with: 106124, 106125, 106126, 106127, and 106128 Series LC simplex or duplex adapters

Designed in: Millimeters

Mechanical:

Mating Durability: IL<0.2dB change over 200 cycles

Physical:

Ferrule: Zirconia Ceramic

Housing and boot: UL 94V-0 rated Polymer

Alignment sleeves: Zirconia Ceramic or Phosphor Bronze

Operating Temperature: -40°C to +85°C

APPLICATIONS

Applications:

- Telecommunication equipment
- Data communication equipment
- Local Area Networks (LAN)
- Wide Area Networks (WAN)
- Active Device terminations
- Premise equipment termination

LC Connectors and Adapter

Simplex LC Connectors

Part Number	Type	Cable Size	Boot Type	Connector Color
106024-3500	Multimode	900um	Straight	Beige
106024-3000		1.60mm		
106024-7180			45° Angled	
106024-3400			90° Angled	
106024-3300		2.00mm	Straight	
106024-7185			45° Angled	
106024-3600			90° Angled	
106024-3250		3.00mm	Straight	
106024-5500	Single Mode	900um		Blue
106024-5000		1.60mm		
106024-7140			45° Angled	
106024-5400			90° Angled	
106024-5300		2.00mm	Straight	
106024-7145			45° Angled	
106024-5600			90° Angled	
106024-5250		3.00mm	Straight	
106090-2800	APC	900um		Green
106090-2230		1.60mm		
106090-2240			90° Angled	
106090-2200		2.00mm	Straight	
106090-2260			90° Angled	

Duplex LC Connectors

Part Number	Type	Cable Size	Boot Type	Connector Color	Duplex Clip
106025-3000	Multimode	1.60mm	Straight	Beige	1 piece push-on
106025-7180			45° Angled		
106025-3400			90° Angled		
106025-3300		2.00mm	Straight		
106025-7185			45° Angled		
106025-3600			90° Angled		
106025-3250		3.00mm	Straight		
106025-5000	Single Mode	1.60mm		Blue	
106025-7140			45° Angled		
106025-5400			90° Angled		
106025-5300		2.00mm	Straight		
106025-7145			45° Angled		
106025-5600			90° Angled		
106025-5250		3.00mm	Straight		
106090-2830	APC	1.60mm		Green	
106090-2250			90° Angled		
106090-2810		2.00mm	Straight		
106090-2270			90° Angled		
106025-3800	Multimode		Straight	Beige	2 piece snap-on
106025-3150		3.00mm			
106025-5800	Single Mode	2.00mm		Blue	
106025-5150		3.00mm			

Simplex LC Adapters

Part Number	Sleeve	Color	Mounting type	Housing Style
106124-0010	Metal	Beige	Snap	Low Profile
106124-1010	Ceramic			
106124-1200		Aqua		
106124-0000	Metal	Blue		
106124-1000	Ceramic			
106124-1050		Green		
106124-0110	Metal	Beige		Standard
106124-1110	Ceramic			
106124-0100	Metal	Blue		
106124-1100	Ceramic			
106124-1150		Green		

LC Connectors and Adapter

Duplex LC Adapters

Part Number	Sleeve	Color	Mounting type	Housing Style	Note
106125-0110	Metal	Beige	Snap	Large	MT-RJ Mounting
106125-1110	Ceramic				
106125-0100	Metal	Blue			
106125-1100	Ceramic				
106125-0010	Metal	Beige		Low Profile (Half Large)	
106125-1010	Ceramic				
106125-0000	Metal	Blue			
106125-1000	Ceramic				
106125-0210	Metal	Beige	Retaining Clip		
106125-1210	Ceramic				
106125-0200	Metal	Blue			
106125-1200	Ceramic				
106126-0410	Metal	Beige	Snap	SC Simplex Mounting	No Shutters
106126-0690	Metal	Die-Cast			
106126-1400	Ceramic	Blue			
106126-1430		Aqua			
106126-1450		Green			
106126-1690		Die-Cast			
106126-0310	Metal	Beige	Screw		
106126-0590		Die-Cast			
106126-1300	Ceramic	Blue			
106126-1350		Green			
106126-1590		Die-Cast			
106127-0410	Metal	Beige	Snap		Shutters on one side
106127-1610		Aqua			
106127-0690		Die-Cast			
106127-1400	Ceramic	Blue			
106127-1690		Die-Cast			
106127-1450		Green			
106127-0310	Metal	Beige	Screw		
106127-0590		Die-Cast			
106127-1300	Ceramic	Blue			
106127-1590		Die-Cast			
106127-1350		Green			

Quad LC Adapters

Part Number	Sleeve	Color	Mounting type	Housing Style	Note
106123-1300	Metal	Beige	Snap	SC Duplex Mounting	No Shutters
106123-3300		Aqua			
106123-0300	Ceramic	Blue			
106123-2300		Green			
106123-1100	Metal	Beige	Screw		
106123-3100		Aqua			
106123-0100	Ceramic	Blue			
106123-2100		Green			
106123-1200	Metal	Beige			Shutters on one side
106123-3200		Aqua			
106123-0200	Ceramic	Blue			
106123-2200		Green			
106123-1400	Metal	Beige	Snap		
106123-3400		Aqua			
106123-0400	Ceramic	Blue			
106123-2400		Green			

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Order No. 987650-1589 USA/KP/2008.03

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